

MHUSD Essential Standards
Math 5th Grade

Standard	Description
NS1.2	Interpret percents as a part of a hundred; find decimal and percent equivalents for common fractions and explain why they represent the same value; compute a given percent of a whole number.
NS1.4	Determine the prime factors of all numbers through 50 and write the number as the product of their prime factors by using exponents to show multiples of a factor (e.g., $24 = 2 \times 2 \times 2 \times 3 = 2^3 \times 3$).
NS2.1	Add, subtract, multiply, and divide with decimals; add with negative integers; subtract positive integers from negative integers; and verify the reasonableness of the results.
NS2.2	Demonstrate proficiency with division, including division with positive decimals and long division with multi-digit divisors.
NS2.3	Solve simple problems, including ones arising in concrete situations, involving the addition and subtraction of fractions and mixed numbers (like and unlike denominators of 20 or less), and express answers in the simplest form.
AF1.2	Use a letter to represent an unknown number; write and evaluate simple algebraic expressions in one variable by substitution.
AF1.4	Identify and graph ordered pairs in the four quadrants of the coordinate plane.
AF1.5	Solve problems involving linear functions with integer values; write the equation; and graph the resulting ordered pairs of integers on a grid.
MG1.3	Understand the concept of volume and use the appropriate units in common measuring systems (i.e., cubic centimeter [cm ³], cubic meter [m ³], cubic inch [in ³], cubic yard [yd ³]) to compute the volume of rectangular solids.
MG2.1	Measure, identify, and draw angles, perpendicular and parallel lines, rectangles, and triangles by using appropriate tools (e.g., straightedge, ruler, compass, protractor, drawing software).
MG2.2	Know that the sum of the angles of any triangle is 180° and the sum of the angles of any quadrilateral is 360° and use this information to solve problems.
SDAP1.4	Identify ordered pairs of data from a graph and interpret the meaning of the data in terms of the situation depicted by the graph.